

PATENT ABSTRACTS OF JAPAN

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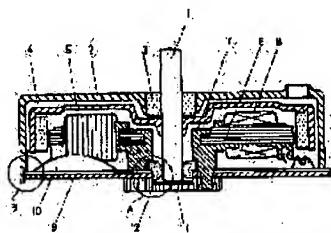
(21)Application number : 04-190446	(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD
(22)Date of filing : 17.07.1992	(72)Inventor : OKADA YASUHIRO

(54) METHOD FOR CONNECTING GROUNDING OF DIRECT CURRENT BRUSHLESS MOTOR

(57)Abstract:

PURPOSE: To easily and surely ground a motor case and metal board by press fitting a metallic bearing member in a way that it is in contact with an inside circumferential conductor pattern and press fitting the metal board into a metallic motor frame.

CONSTITUTION: An insulating layer is formed on the surface of a metal base, and a copper foil conductor pattern is formed thereon. A conductor pattern for grounding is formed on the inside circumference and connected to a grounding terminal. A lower bearing 12, when press fit into a metallic circuit board 9, comes into contact with the conductor pattern for grounding and the metal base to provide grounding. The metallic circuit board 9 is then fitted, and secured in a metallic motor case 2, which is thereby grounded through the conductor pattern for grounding and the grounding terminal. The constitution above makes it possible to ground the motor case 2 just by building the metallic circuit board 9 thereinto.



LEGAL STATUS

[Date of request for examination]

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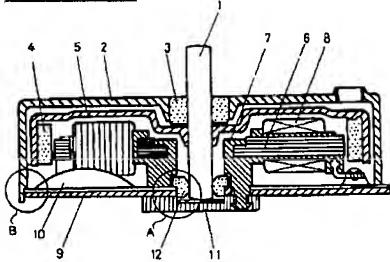
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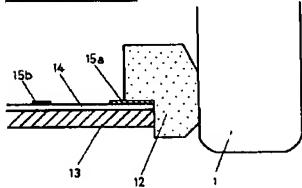
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2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DRAWINGS

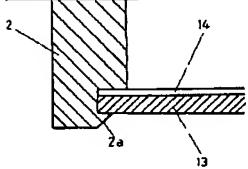
[Drawing 1]



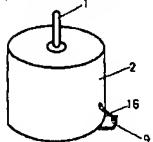
[Drawing 2]



[Drawing 3]



[Drawing 4]



[Translation done.]